

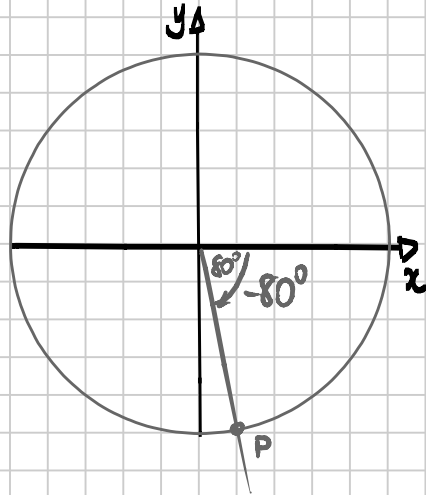
C2 Exercise 8A (trigonometric functions)

Note Title

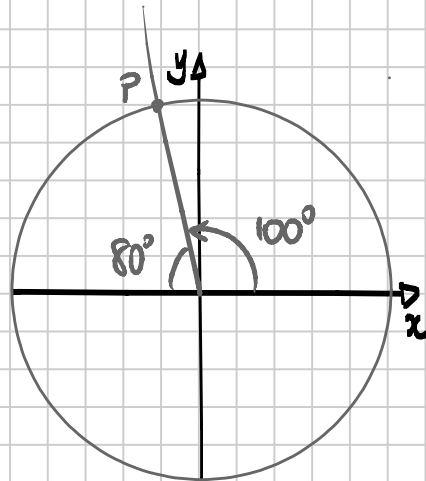
28/04/2013

- 1 Draw diagrams to show the following angles. Mark the acute angle OP makes with the x -axis.

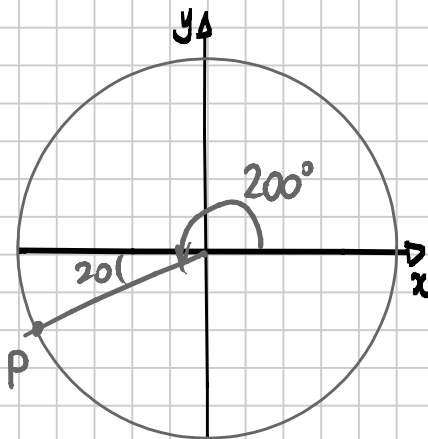
a -80°



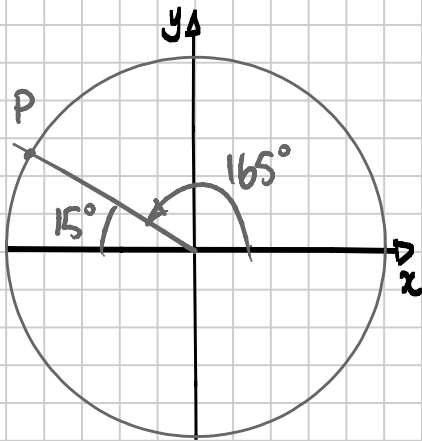
b 100°



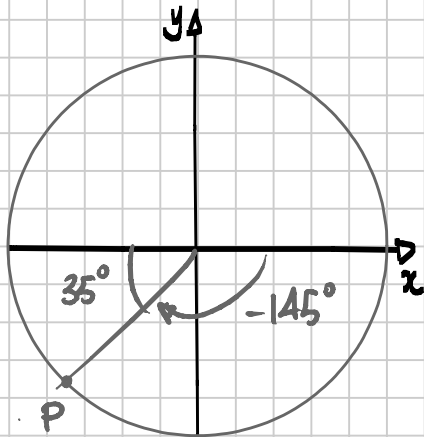
c 200°



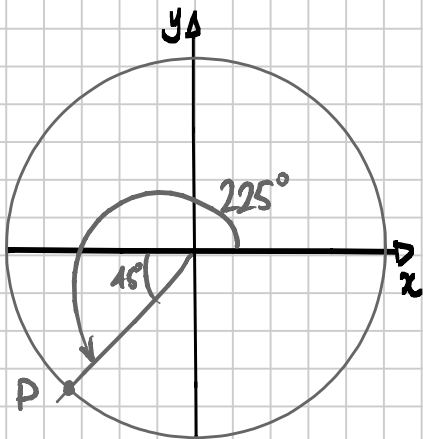
1d 165°



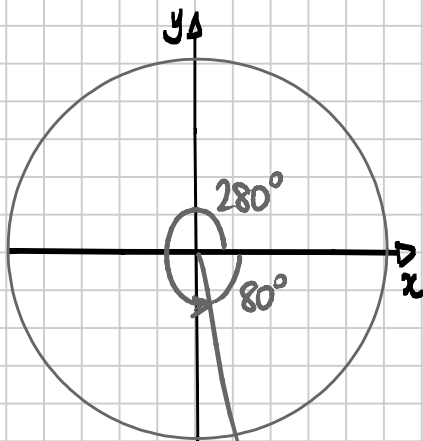
e -145°



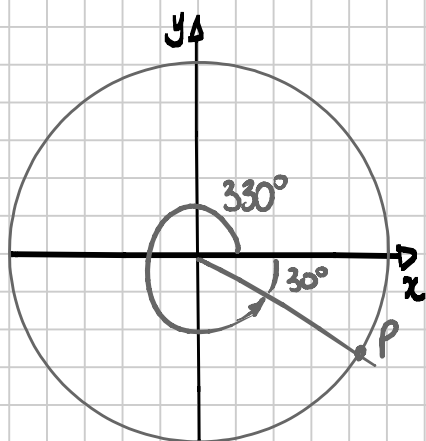
f 225°



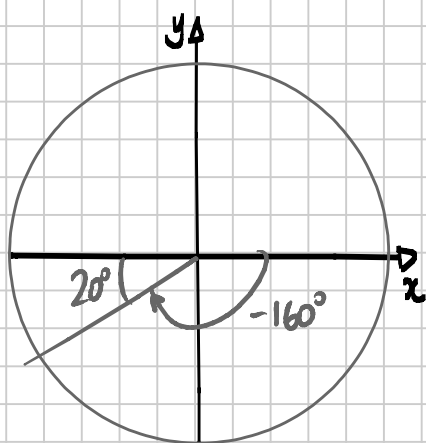
g 280°



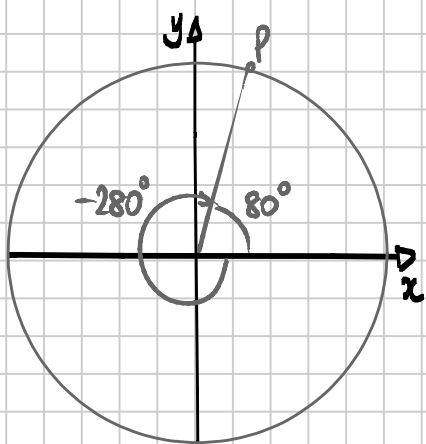
h 330°



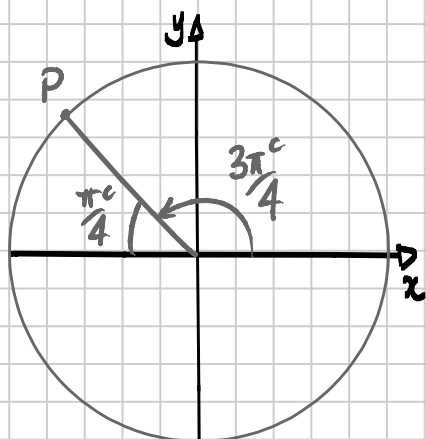
i -160°



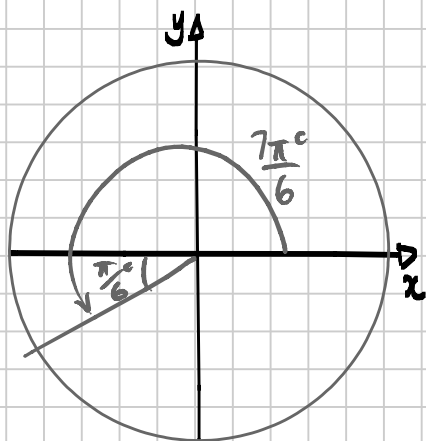
j -280°



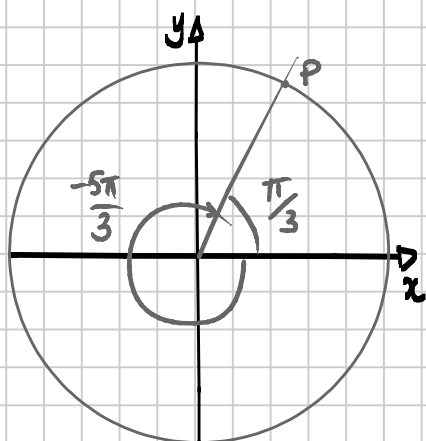
k $\frac{3\pi}{4}$



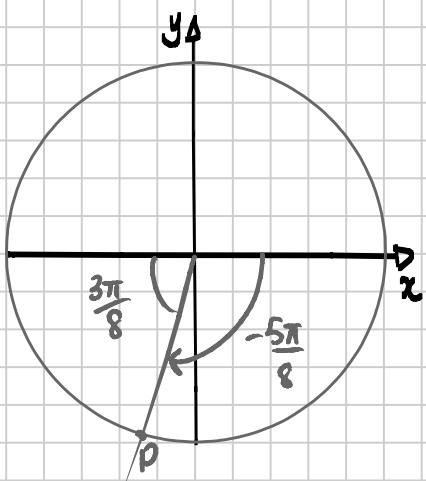
$$12 \quad \frac{7\pi}{6}$$



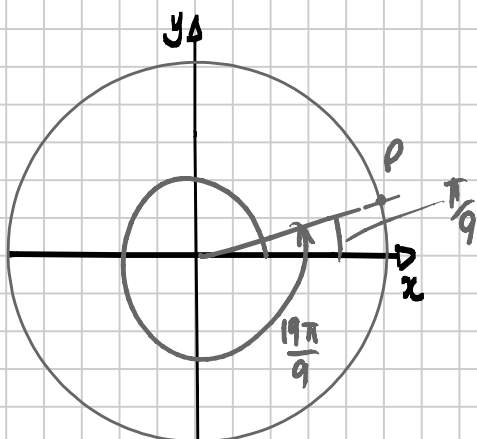
$$m \quad -\frac{5\pi}{3}$$



$$n \quad -\frac{5\pi}{8}$$

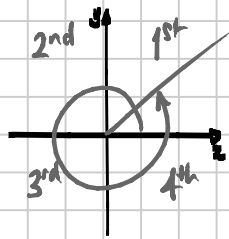


$$o \quad \frac{19\pi}{9}$$



2 State the quadrant that OP lies in when the angle that OP makes with the positive x-axis is:

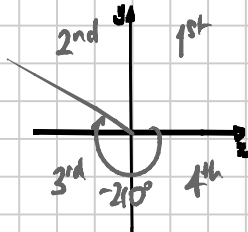
a 400



1st quadrant

b 115° 2nd quadrant

c -210°

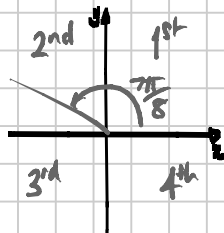


2nd quadrant

d 225° 3rd quadrant

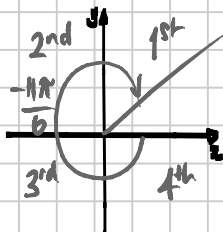
e -100° 3rd quadrant

f $\frac{7\pi}{8}$



2nd quadrant

g $-\frac{11\pi}{6}$



1st quadrant

h $\frac{13\pi}{7}$

4th quadrant